

IN THE CLAIMS

Please add new claims 22 and 23 as follows.

22. A light string formed by a series of light emitting diodes adapted to be directly connected to an AC power source and providing a stable light source, said light string formed by the method of determining a workable number of light emitting diodes directly coupled in series to said AC power source to provide said stable light source, said method comprising the following steps:

determining an RMS voltage rating (V_{RMS}) of said AC power source;

determining an AC voltage rating for a particular type of light emitting diodes by determining an average voltage drop (V_{avg}) across said particular type of light emitting diode when connected to said AC power source;

calculating said workable number (WN) of said light emitting diodes according to the following formula

$$WN = V_{rms} / V_{avg}; \text{ and}$$

electrically interconnecting a plurality of said particular type of light emitting diodes equal to said workable number (WN) in series directly to said AC power source without any intermediate circuit altering devices.

23. The light string of claim 22, further comprising a lamp holder having a keyed offset, the lamp holder fixedly attached to each LED, and a lamp base having a notch adapted to receive the keyed offset of the lamp holder, thereby mechanically orienting and aligning each LED by its polarity.